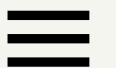


Certificate

AutoMailerAndMaker

{ CAM^2 }

A Hackathon project by Tapish Rawat





Problem Statement

As we all know in Harnoor's sir course there are more 1200+ students enrolled for this batch only [Many more to come]. And in this Hackathon also there are 310+ participants registered. So like this every organisation organize the events, hackathons and etc.

What I observed is that, Organisation roll out certificates to their participants let it be participation certificate or merit one. When organisation is huge and number of participants are in bulk. So here organisations may face so difficulties while rolling out the certificates to every participants to their respective mail id's.

Background

Overview of the project

This project contains a simple script that helps automate the generation of **1000's** or **COLOSSAL AMOUNTS** of certificates and mail them to the respective owners of those certificates in just **ONE CLICK**.

- The code reads the data from a sample excel file (student.xlsx) and converts it into a JSON File.
- Then it writes the participant's name and general event information on the certificate template pdf file.
- I have made a sample certificate template manually using word on mac.
- The code generates a CertificateFolder with certificates of all participants in pdf format.
- Then it will mail all those certificates to all participants on their respective mail id's.

-

Hence this simple script could ****SAVE THE TIME**** of event organizers.



Significance of the Project

In terms of scope

Certificate Auto-Mailer and Maker { CAM^2 }
Automation script allow user to automate this hectic process.
It can be used by every organisation let it be small scale or large scale.



In terms of time

This script will save our time!
It will provide the service time to time in just **ONE CLICK!**

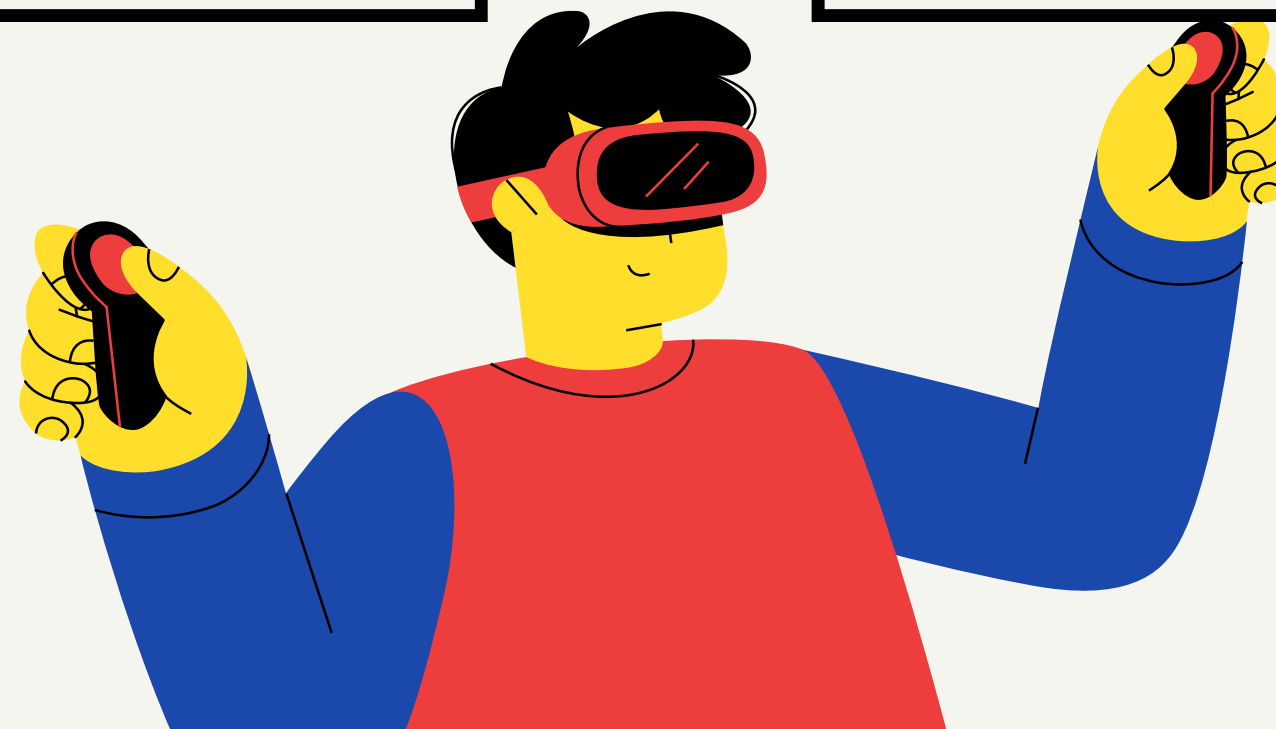


- Certificate maker
- PDF template -> done
- sheets se data fetch -> done
- type on pdf -> done
- save pdf -> done
- node mailer -> done
- email pdf with meta data -> done

DESIGN PROCESS

- Cross verification of data to registered paid user data
- Global count variable to maintain (in a file) excel list count till which certificate emails are done so that script runs for only new entries.
- Coding practices improvements
- UX oriented html email template for email body

FURTHER IMPROVEMENTS



What we learned



NodeJS

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01

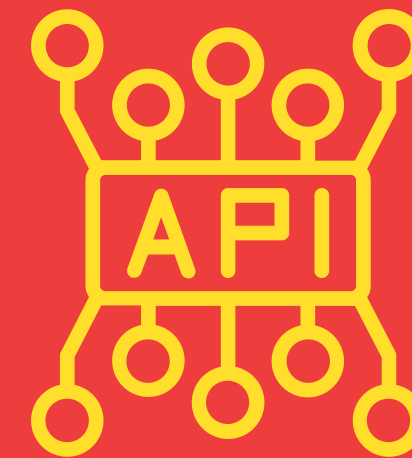
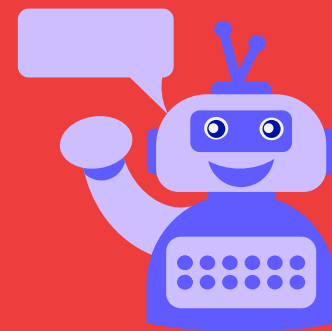
Javascript



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02

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03

Automation



GoogleAPI

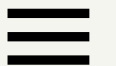
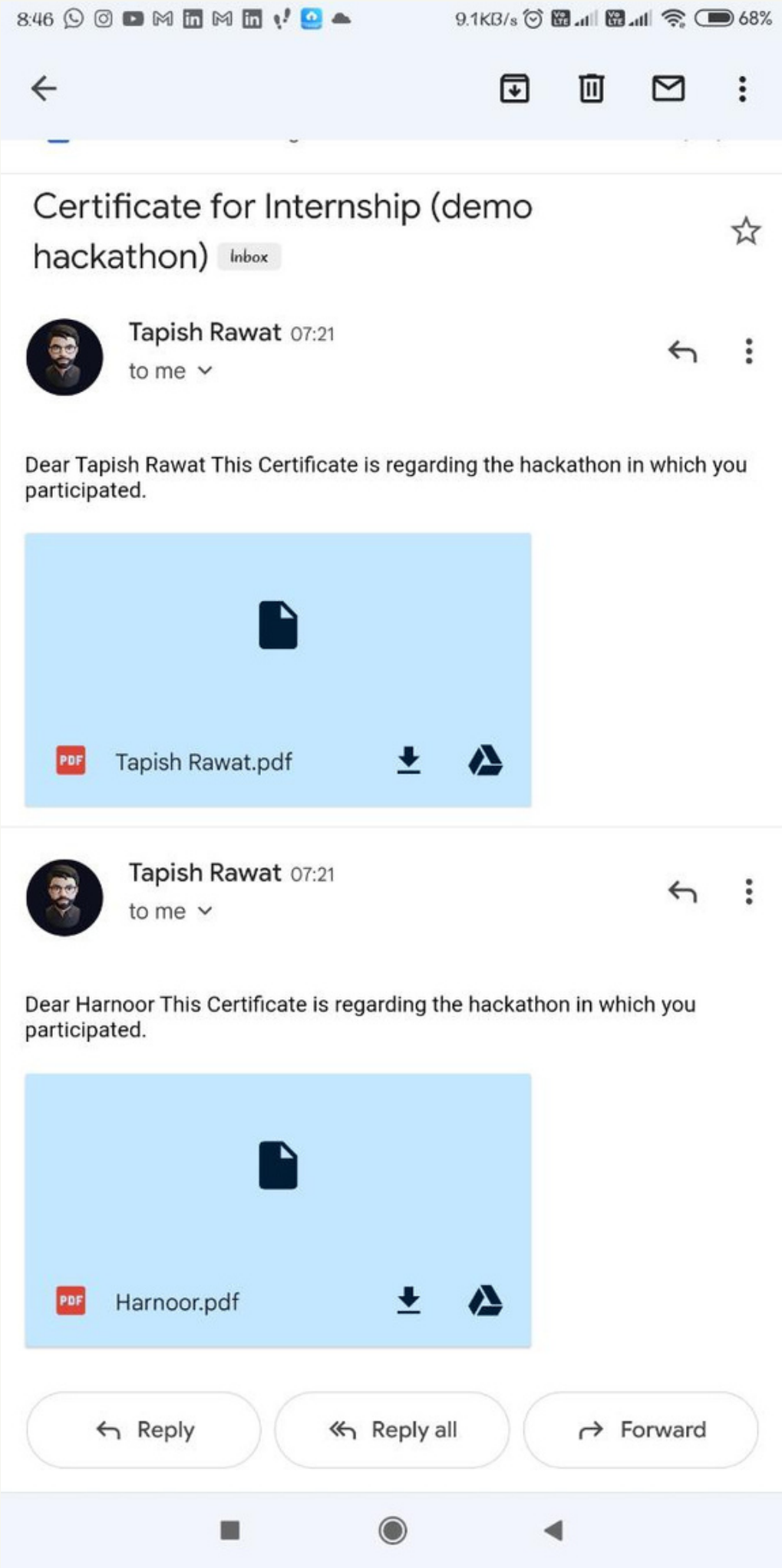
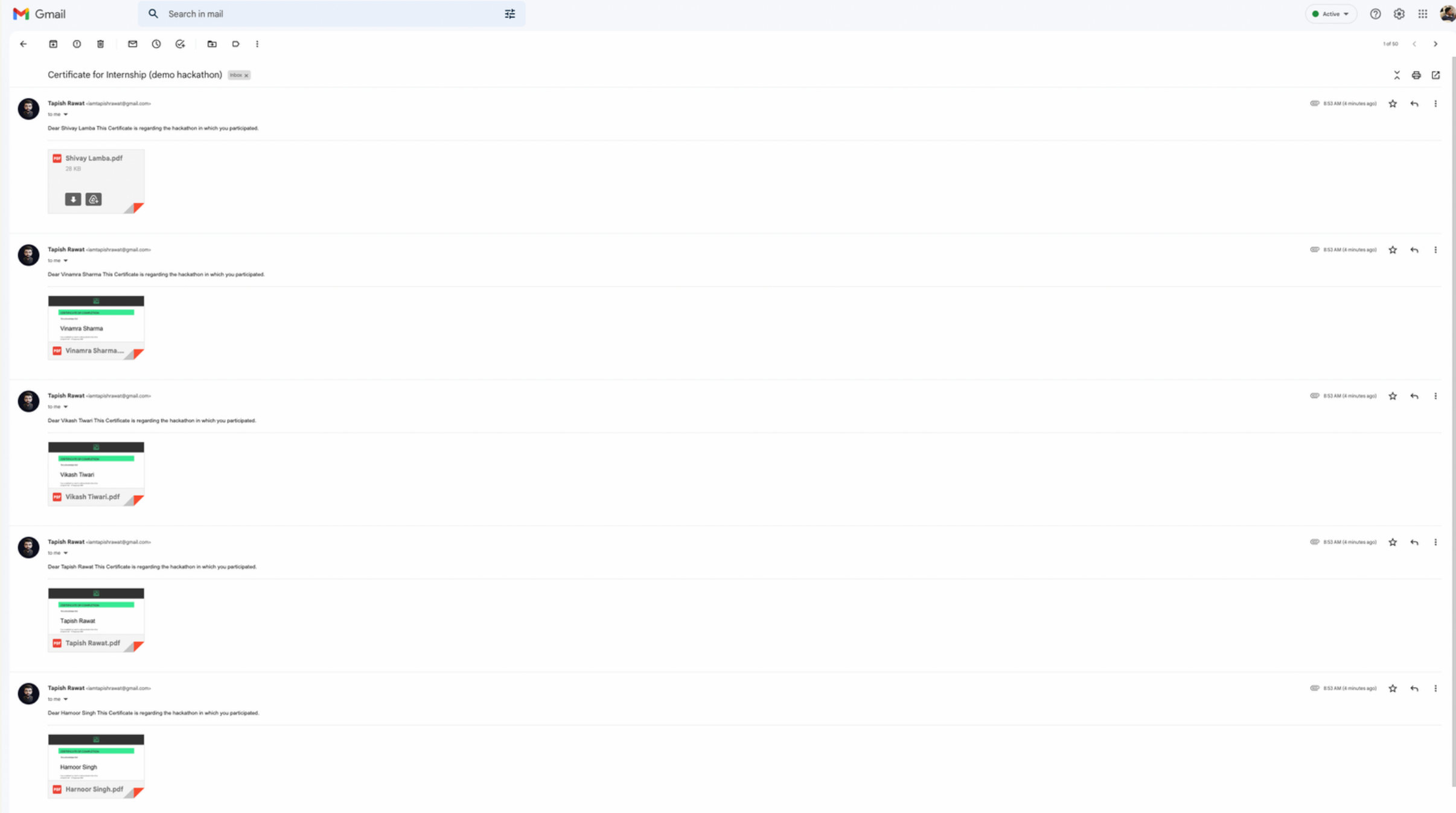
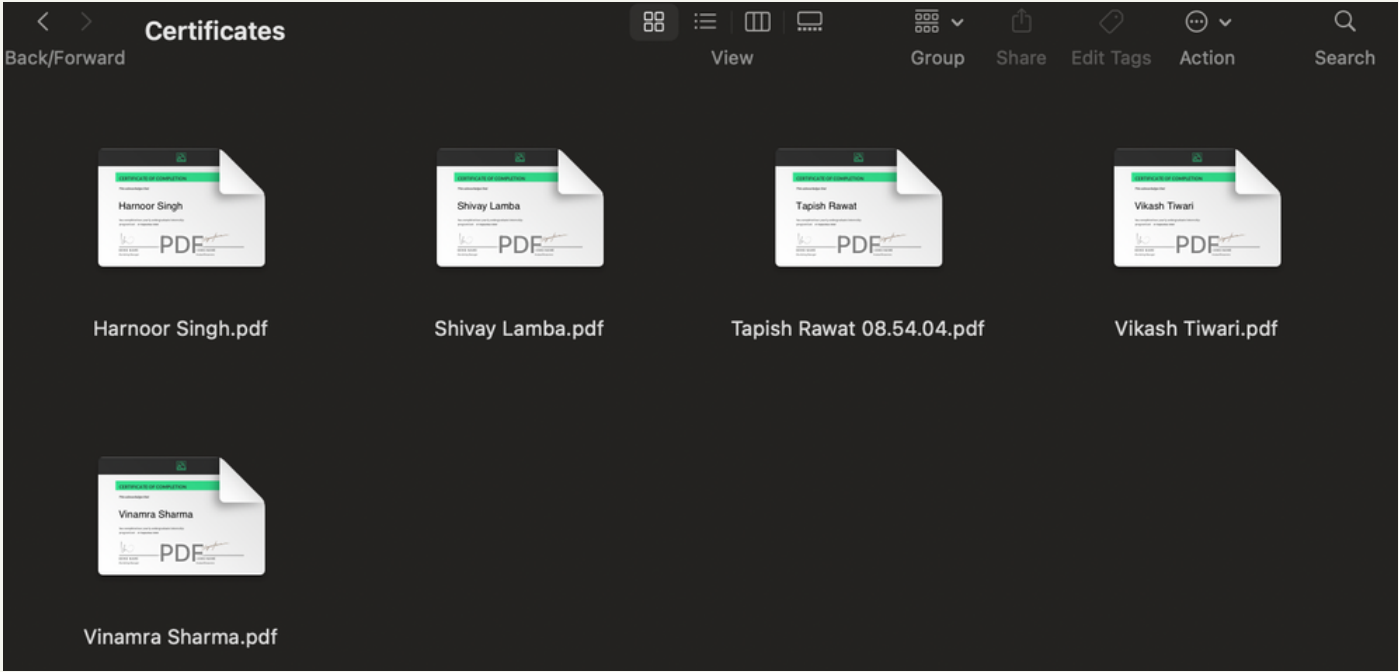
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04

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05

Libraries like:

- >pdf-lib
- >minimist
- >xlsx
- >Nodemailer







Our Rate of Expansion

WE ARE HERE!



Sept '22

Written script and
presenting it in
hackathons.

Early Oct '22

Make a proper
Web app.

Mid Oct '22

Publish the Web
App.

Nov '22

Expand presence
to Colleges,
Schools,
Companies.

Dec '22

Work on scalability
of the Web App

Links for the Project

Github:

[HTTPS://GITHUB.COM/PROFESSORTKD/CERTIFICATEAUTOMAILERANDMAKER-CAM-2-](https://github.com/PROFESSORTKD/CERTIFICATEAUTOMAILERANDMAKER-CAM-2-)

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